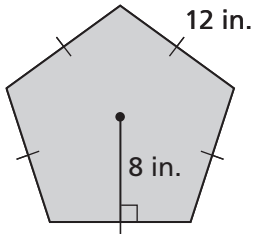
Name _____ Class _____ Date _____

Additional Practice

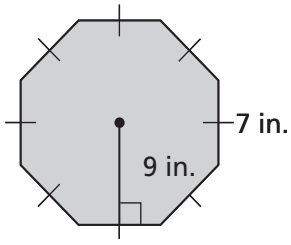
Lesson 5.3

1. Find the area of the following figures.

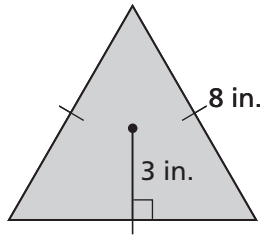
a.



b.



c.



2. A town is planning a circular walkway that will be 2 meters wide. The walkway will have an inner radius of 5 meters with a circumference of about 31.4 meters. Find the area of the walkway.

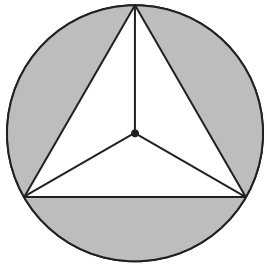
3. A regular hexagon is inscribed in a circle of radius 4 inches.
a. Find the area of the hexagon.
b. Find the area that lies between the hexagon and circle.

4. A square with side length 10 cm is inscribed in a circle.
a. Find the radius of the circle.
b. Find the area of the circle if its circumference is 69.7 cm.

5. Find the area of an equilateral triangle inscribed in a circle with a radius of 5 in.

6. Find the area of a regular octagon with a perimeter of 96 m and an apothem of 5 m.

7. The circle in the figure has a radius of 3 in. Find the area of the shaded region.



8. A bicycle's tires have a radius of 13 inches. How far does the bike travel when the tires rotate exactly 3 times?